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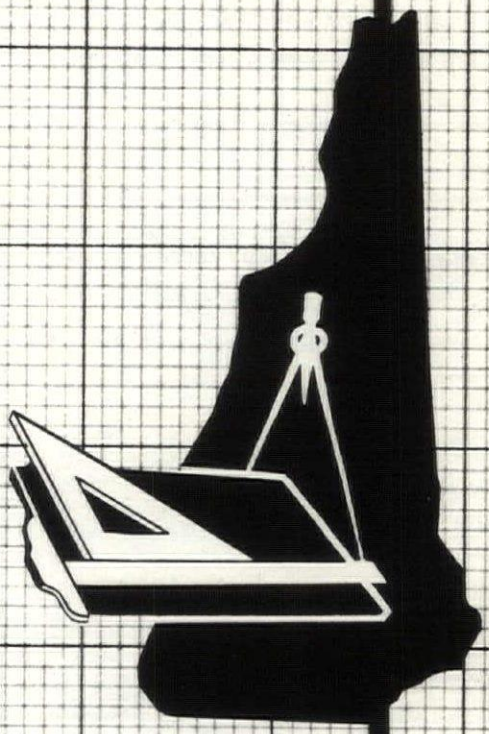

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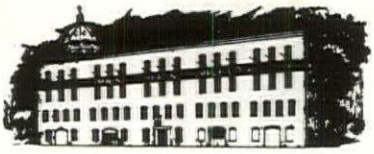

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G S A SELECTS MANCHESTER ARCHITECTS FOR POST OFFICE AND COURT HOUSE AT CONCORD

Selection of two New Hampshire architectural firms for the design of a new Post Office and U. S. Court House at Concord was announced through the office of Senator Norris Cotton recently after contract negotiations between the General Services Administration and the architects.

John D. Betley and Koehler & Isaak, both of Manchester will design the structure of approximately 122,800 gross square feet.

Plans and specifications are scheduled for completion late in 1962.

MORE BYLAW CHANGES FOR AIA

The Executive Committee, American Institute of Architects has authorized the submission to the 1962 convention of a bylaw amendment which will provide: 1) that the First Vice President shall be the President-designate, 2) that this change, if approved, shall become effective with the 1962 convention or with the 1963 convention, as the membership shall select.

In another action, the Executive Committee voted to offer an amendment to the 1962 convention to provide that the Secretary of the Institute shall direct each component to amend its bylaws so that the officers of the components shall take office on January 1 of each year.

ARCHITECTS' DIRECTORY

Members who have not done so are urged to complete and return their questionnaire for the ARCHITECTS' DIRECTORY. Those who have already received proofs should return them. Those who have misplaced their questionnaires should write for new ones to the R. W. Bowker Co., 62 W 45th Street, New York 36, N. Y.

Your cooperation is earnestly requested. The AIA Membership List will not be re-issued as the Bowker publication will replace it. It is therefore essential that the next edition of the AMERICAN ARCHITECTS DIRECTORY be as comprehensive and recent as possible.

Massachusetts Building Congress Holds Ninth Annual Exhibition and Display

The ninth annual Massachusetts Building Congress was held January 24-25 at the Somerset Hotel, Boston.

A feature of the Congress was the Architects and Engineers Design Display with fourteen architectural and engineering firms presenting designs for competition awards.

Over forty material manufacturers and distributors were product exhibitors, with fascinating booths and displays, all eager to tell their product story.

A I A

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CHAPTER ACTIVITIES

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Maurice E. Witmer, Membership
John Carter, Education
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George R. Thomas, Awards and Scholarships

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Eero Saarinen Awarded 1962 Gold Medal of the American Institute of Architects

Eero Saarinen, the Finnish-born American architect who died last September 1 at the age of 51, has been awarded posthumously the 1962 Gold Medal of the American Institute of Architects.

Eero Saarinen came to this country with his family in 1923 when he was thirteen years old. The family soon settled in Bloomfield Hills, Michigan, where the elder Saarinen designed the buildings for the Cranbrook Academy of Art.

From 1937 until the death of the elder Saarinen in 1950, father and son worked in close association. Thereafter Eero Saarinen launched his own firm which was just in the process of moving from Bloomfield Hills to Hamden Connecticut, when he succumbed to a malignant brain tumor.

Father and son Saarinen both submitted separate entries for the competition for the Jefferson National Expansion Memorial for St. Louis, Missouri, in 1948. The younger man won and the memorial, a soaring stainless steel arch is now under construction.

Among Eero Saarinen's other still to be completed buildings are the Dulles International Airport in Washington, D. C., the Lincoln Center for the Performing Arts in New York City, and the Trans World Airlines' terminal building at Idlewild International Airport, New York.

Among Eero Saarinen's best known completed buildings are: the Stephens College Chapel, Columbia, Mo. (1954); the General Motors Technical Center, Warren, Michigan (1954); the auditorium and chapel for the Massachusetts Institute of Technology (1955); the campus for Concordia Senior College, Fort Wayne, Indiana (1958); the David S. Ingalls Skating Rink, Yale University (1958); and the U. S. embassies in Oslo and London (1960).

Eero Saarinen strove to give each of his buildings a distinct and dramatic character. "Our architecture," he has said, "is too humble. It should be prouder, much richer and larger than we see it today. I would like to do my part in expanding that richness."

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Gull-winged roof of concrete fits a restaurant to its seaside setting

Elegance keynotes the Stuft Shirt's long, vaulted dining room. The 71' x 146' building perches 16' above water. Docking facilities below.

Restless blue water, white sails, sleek hulls! Add to this scene on California's Newport Bay the strikingly designed Stuft Shirt Restaurant. The building is concrete throughout. Thirty-six domes of thin-shell concrete form the roof, with cantilevered half-domes on the perimeter creating the feeling of winged grace. Concrete quatrefoil arches atop the 50 supporting columns rising from the water effect added beauty—inside as well as out.

Today, the versatility of modern concrete is being recognized by more and more architects seeking to broaden their design explorations.

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H. E. HUMPHREYS COMPANY, INC. PLANS EXPANSION UNDER NEW MANAGEMENT

Mr. Merle Thorpe of Pembroke recently announced that he and his associates have purchased controlling interest in the H. E. Humphreys Company, Inc., Concord, N. H.

Merle Thorpe was elected President and Director, Lawrence Scammon of Hopkinton was elected Vice President and Director, and Dr. Joseph Ransmeier, Clerk and Director. Raymond Unger, Vice President, Robert Smith, Assistant Treasurer, and John Nerbonne, Sales Manager.

The Humphreys Company was founded in 1930 and has introduced most of the advanced types of Commercial and Industrial Refrigerating equipment currently used in New Hampshire and Vermont. Forced Convection Cooling and Refrigerated Self-Service Display and Storage Cases and the first commercial use of Halide low pressure refrigerants were pioneered in Northern New England by this company. Over the years many installations for research and experimental use have been supplied for Dartmouth College, University of New Hampshire, and other educational institutions.

Fifteen years ago the Humphreys Company expanded to include Food Service Equipment and since that time, have equipped many of the outstanding eating places and institutions in both states.

Mr. Thorpe and his associates, Lawrence Scammon of Hopkinton and Kent Harrington of Pembroke moved to this area from Hanover, New Hampshire last summer. They have established an engineering firm Thorpe Arc-Flame Associates (TAFA), specializing in high temperature equipment and process development. He is a graduate of Dartmouth College and the Thayer School of Engineering, American Instrument Society and American Society of Mechanical Engineers and is a registered Professional Engineer in New Hampshire.

Mr. Scammon graduated from Dartmouth College and has attended the graduate Schools of New York University and the Thayer School of Engineering, specializing in both electrical and mechanical engineering.

Mr. Harrington has attended Worcester Junior College and has had over ten years of experience in product development work in the high temperature field. Mr. Thorpe stated that his group's technical qualifications would add considerably to the capabilities of the present Humphreys organization in the area of engineering, industrial sales, design, large systems work, and specialized controls. TAFA will be operated as a division and will be active in the areas of consulting, engineering, research, new product analysis and development, and manufacture of specialized equipment.

Mr. Humphreys who stepped down as President is a widely known and respected businessman throughout the state; is a Director of the Concord National Bank, The Page Belting Company, and the Tyler Corporation of Niles, Michigan.

Mr. Unger is a graduate of the University of New Hampshire with a degree in Business Administration. He has been with the Humphreys Corporation for over ten years and has held various executive positions. Mr. Unger will continue in his general management capacities and in addition will be given responsibility within the TAFA division.

Mr. Nerbonne has been with the Humphreys Corporation for twelve years in a sales capacity. He is a well known specialist in all phases of creative supermarket design and merchandising.

Robert W. Smith graduated from Holy Cross, majoring in accounting. Mr. Smith will continue his duties as Office Manager as well as related responsibilities in the new TAFA division.

Mr. Scammon will be responsible for the engineering and technical activities of the Humphreys Corporation.

PRESTRESSED CONCRETE ASSOCIATION of NEW ENGLAND FORMED

Formation of a prestressed Concrete Association of New England has been undertaken by three manufacturers of prestressed concrete products. Member firms are Structural Concrete Corporation, Laconia, New Hampshire; San-Vel Concrete Corporation, Littleton, Massachusetts; and Blakeslee Prestress, New Haven, Connecticut.

Purpose of the association is for the gathering, dissemination and mutual interchange of information on prestressed concrete.

Mail address of the association is P. O. Box H, Boston 18, Mass.

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Everett Humphreys, right, founder of Humphreys Corporation congratulates Merle Thorpe, new president of the corporation.

Larry Scammon, Vice President, engineering, right. A knowledge of advanced engineering principles coupled with 30 years of practical field experience gives the firm design and manufacturing competence in the area of unique systems ranging from plant growth chambers in Universities to special process equipment for industrial concerns.

Left to right, Larry Scammon, Vice President, engineering, John Nerbonne, Sales Manager, Raymond Unger, Vice President, John Tillotson, Service Manager, all key personnel of the Humphreys Corporation discussing a "turn key" supermarket installation. The firm takes complete responsibility for engineering layout of all equipment, air conditioning, heating and lighting.

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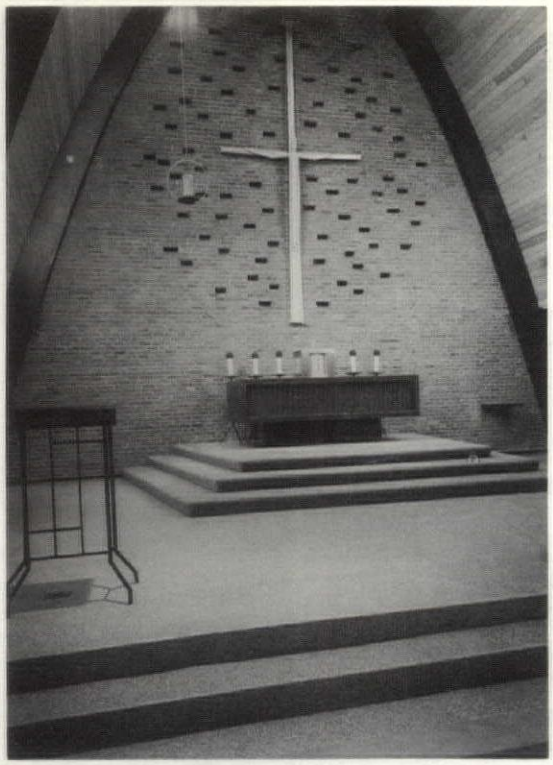
West Lebanon, New Hampshire

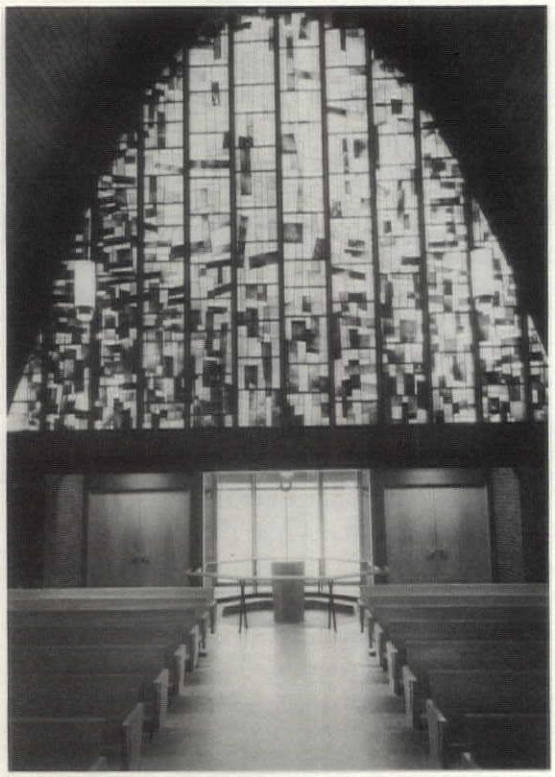
Most Rev. Ernest J. Primeau, Bishop of Manchester

Rev. Edward J. MacDonald, Pastor



The High Altar of black marble is accented by the gold leaf on the sixteen foot Crucifix.

Looking through the octagonal shaped Baptistry, partially enclosed by glass, to the Narthex.



The 500 square foot abstract stained glass window dominates the west wall of the Nave. The Baptistry serves as a directional accent in entering and leaving the Church.

HOLY REDEEMER CHURCH
West Lebanon, New Hampshire

Architect: W. Brooke Fleck, Hanover, New Hampshire
Designer: Edward C. Lewis, West Lebanon, New Hampshire
Contractor: R. E. Bean Construction Co., Inc., Keene, New Hampshire

CHURCH:

Building contains: Porte Cochere, Narthex, Baptistry, two Confessionals, Nave (seating 396), Sanctuary, Side Altar, Priest's Sacristy, Altar Boy's Sacristy, Sacristy entrance, Choir, side entrance, storage and janitor's closets, toilet facilities, boiler room, and provisions for future Parish Hall. The area covered is 7300 square feet.

This new church of the Holy Redeemer replaces a wooden building which was erected in 1901 to serve the needs of the West Lebanon people. During the years, time had inevitably taken its toll, and the small wooden church was no longer adequate. On the second of June, 1960, the present property on Maple Street was purchased and the Most Rev. Ernest J. Primeau, Bishop of Manchester, authorized Rev. Edward J. MacDonald, Pastor of Holy Redeemer Parish to construct a new church.

The R. E. Bean Construction Co., of Keene, New Hampshire, was awarded the contract and work began the last of November, 1960.

The disciplined simplicity of the art work complements the architectural and structural purity carried out by the use of rough brick, wood arches and wood decking, and allows the theme of the Altar and Sacrifice to be most prominent.

Complementing the use of abstract stained glass windows are the few essentials of religious appointments that provide the needed liturgical, theological and devotional insights.

The dominant feature is a Crucifix of monumental proportions, gold leafed and set out from the brick wall. On this cross is a six-foot corpus carved in linden wood.

The Baptistry is located on the sacramental axis of the church and is enclosed by a wrought iron rail and partly by a glass enclosure with a depiction of the Baptism of Christ. Thus a view is allowed, as one enters the church, of the Baptismal font, and the altar beyond.

The Blessed Virgin Altar contains a Triptych consisting of a large center panel and two side panels and have a symbolic treatment recalling the Marian theme.

The Stations of the Cross are interpreted in bronze ribbon and bronze sheet, with symbolic themes and are composed on a Greek-type wooden cross.

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The North Elevation with its Porte-Cochere embracing the Bell Tower.

CHURCH CONSTRUCTION:

Foundations: Reinforced concrete foundation walls 10″ thick. Reinforced concrete floor slab over 6″ gravel fill and vapor barrier.

Exterior Walls: (Narthex-Nave) water struck brick, cavity wall 10″ thick brick both exterior and interior finish.

Exterior Walls: (Choir, Sacristies and Boiler-room) water struck brick 4″ thick with 6″ concrete block backup concrete block exposed in rooms and painted.

Roof Structure: High roof: laminated wood arches of parabolic shape spaced 13′-4″ on centers. Wood deck: exposed 3″ double tongue and grooved and framed over the arches.

Flooring: All areas with the exception of the sanctuary and boiler room have vinyl asbestos tile on the concrete slab. The sanctuary has vinyl Tessera, with the platform carpeted.

Roofing: High roof over the arches is standing seam copper. Low roof is tar and gravel — 20 year bonded roofing.

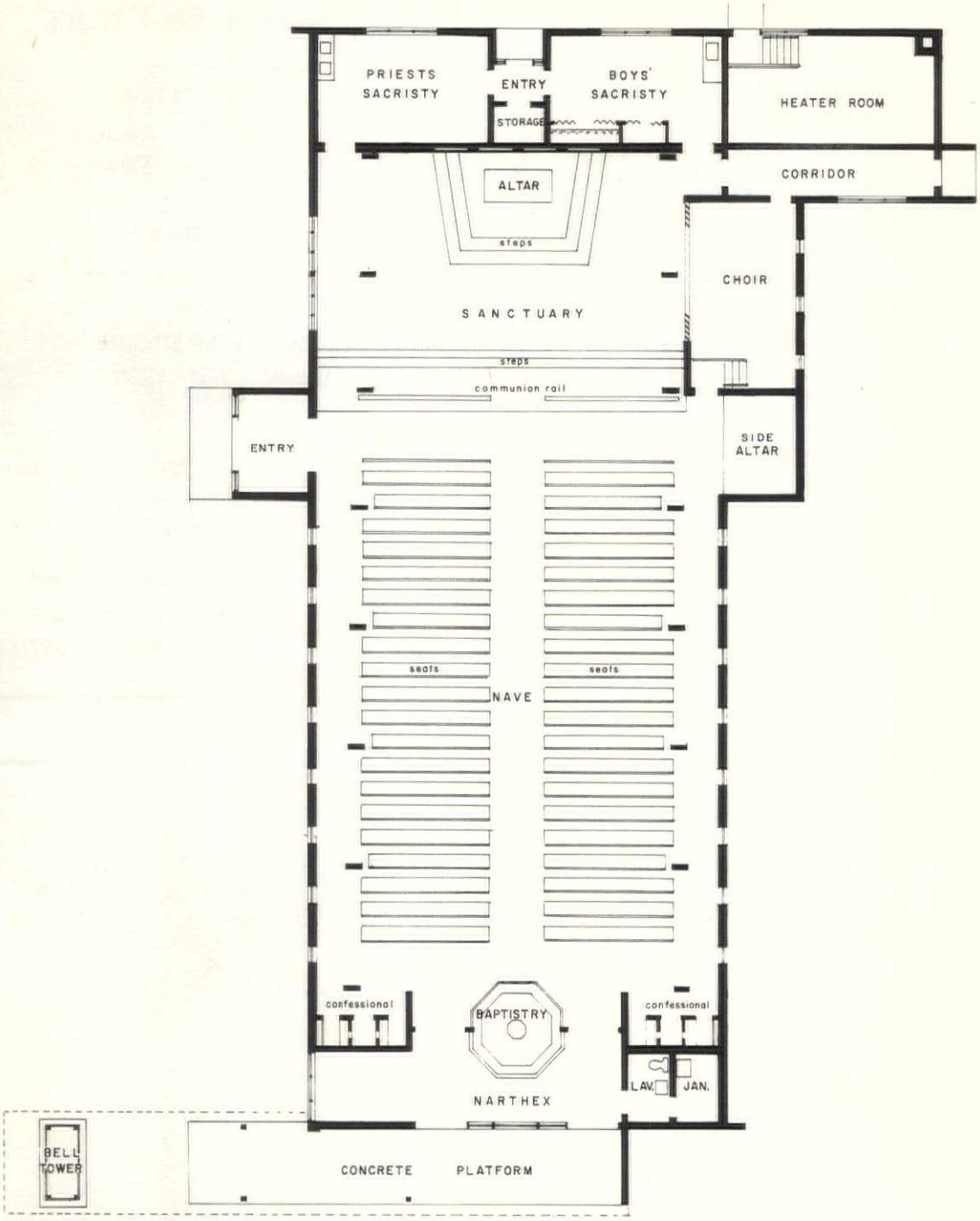
Bell-Tower: Structural steel frame, exposed. One electronic bell — one cast bronze bell.

Heating System: Forced warm air with separate zones — ducts are in the concrete slab. Provisions have been made for future parish hall.

Ventilating System: Uses warm air ducts to distribute 100% fresh air with an exhaust fan located in the boiler room.

The high parabolic shaped arches encompassing the Nave, contrast with the lower ceilings of the side aisles.

The brick panels between the side aisle stained glass windows, serve as a backdrop for the Stations of the Cross.



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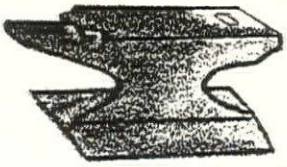

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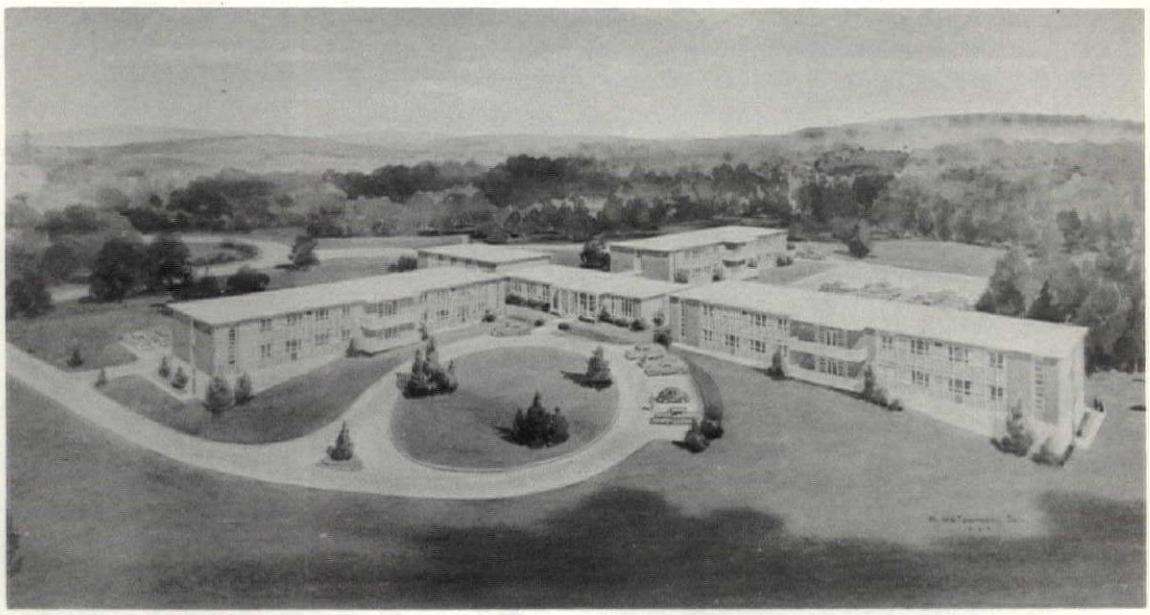
ADMINISTRATIVE & DORMITORY UNITS
Mount Saint Mary's College, Hooksett, N. H.

LEO PROVOST, AIA, Manchester, N. H., Architect

Mount Saint Mary's College at Hooksett, N. H. has just completed this Fall its first dormitory and administrative unit. Construction of two additional dormitories is about to begin to complete the unit of three dormitories and a central administrative building. These new modern units comprise a new concept in College dormitory design and planning. The dormitory units will house 160 girls and 6 floor supervisors with their own living quarters consisting of bed room, bath and office. All social activities and dormitory administration are carried on in the central unit known as the administration building. The central heating plant is also in this central unit. This new concept in planning dormitories known as "Campus Type" allows for more privacy in the dormitories and keeps social and all other activities outside the dormitory with such activities carried on in the central unit. It has a definite advantage in keeping dormitories quiet with better conditions for studying.

The central unit consists of a large social hall with kitchen facilities for serving luncheons along with social activities. It has a large lounge for receiving friends of students with adjacent coat room and wash rooms. It also has four private offices, a mail room where switchboard operator is also located. Off the large hall is a TV room and store rooms. The basement of this building consists of the boiler room and mechanical room. From this central building are three closed-in corridors leading to the three dormitories. One of the corridors leads directly into the basement of one dormitory where a large recreation room may be finished off.

continued on page 18



One of the dormitories has only a partial basement for trunk storage and a crawl space for the remainder of the basement for the servicing of mechanical lines. The other two dormitories have full basements with trunk storage rooms, incinerator rooms in all dormitory basements, general storage rooms and special activities rooms. Each dormitory floor has its private lounge, wash rooms, toilet and bath rooms, linen rooms and living suites for floor supervisors. One dormitory has a snack room on each floor while the two other dormitories have a snack room only on lower floor. Two dormitories have a laundry on the lower floor and one dormitory has laundry rooms on each floor.

All dormitory bed rooms are double rooms with one wall with completely built-in wardrobes, dressers and desks for each girl. The opposite wall separates the two beds with book and storage built-ins for each girl. Above desks are tack boards and book shelves. The exterior walls above desk height are completely glass walls, (insulated glass), affording each room with a beautiful panorama.

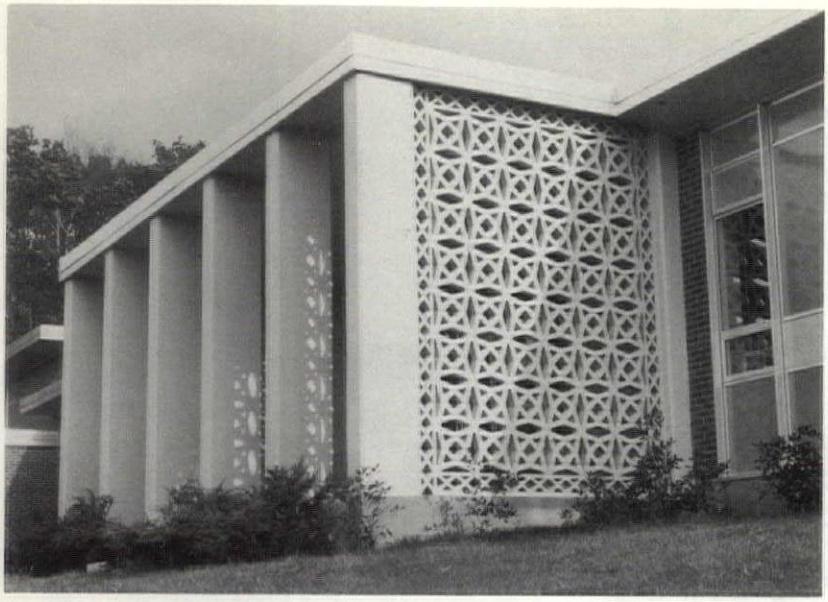
These buildings are all Class A construction of fire resistive materials. Floors and roof are reinforced concrete. Frame is reinforced concrete and steel. The exterior walls are of brick and masonry unit back-up, furred and plastered and also curtain walls of aluminum frame, porcelain enameled steel paned (insulated), and projected windows with insulated glass. Interior partitions are steel stud, rock lath and cement plaster, plaster painted. Door frames are steel and doors are flush wood doors. Ceilings are acoustic fiberglas tiles. Such rooms as wash rooms, toilets and bath rooms have terrazzo floors, ceramic tile walls to ceiling and plaster ceilings. All stairs are steel with terrazzo treads. All corridor walls, stair walls and such rooms as Lobby and Lounge in administration building as well as lounges in the dormitories have walls covered with long lasting washable fabrics. Floors are covered with vinyl asbestos floor tiles.

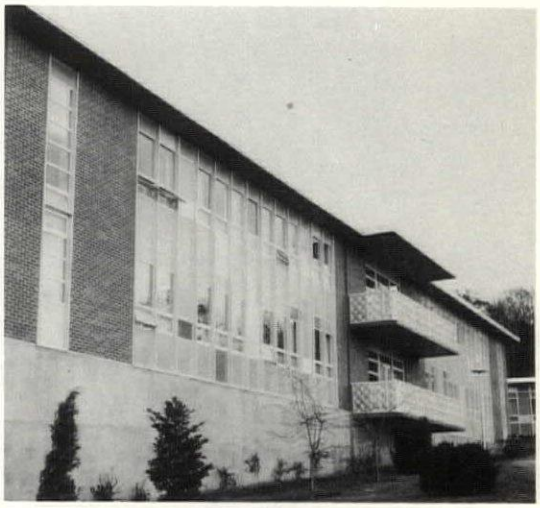
All buildings are equipped with the latest in fire alarm system, communications system, telephone system and program bell system. Parking facilities are also provided for each dormitory and administrative unit. Driveways are lighted as well as parking areas.

ADMINISTRATIVE & DORMITORY UNITS
MOUNT SAINT MARY'S COLLEGE
Hooksett, New Hampshire

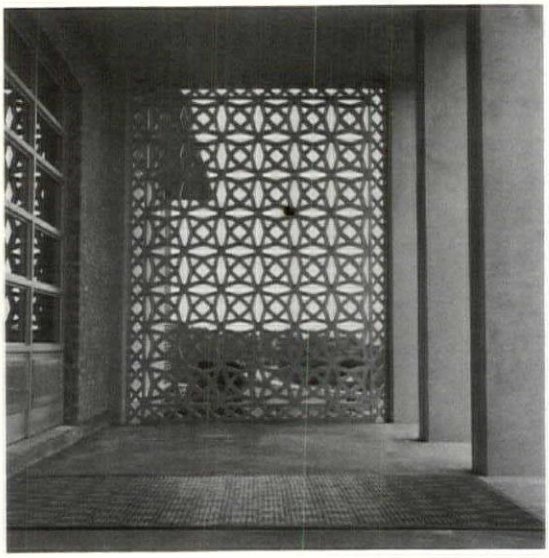
Credit List

Structural Engineer	Frank Whelan
Electrical Engineers	McCarron & Hufnagle Assoc. Inc.
Plumbing and Heating Engineer	Francis L. Gallagher Assoc.





PRESCOTT, Douglass
Administrative and Dormitory Units
Mount Saint Mary's College



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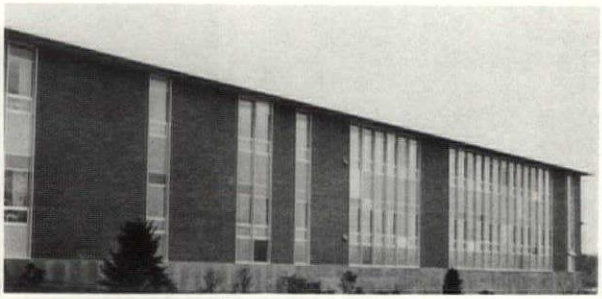
MOTHERHOUSE - - -
SISTERS OF MERCY,
WINDHAM



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Other recently completed projects using MODU-WALL are:

Westbrook High School, Westbrook, Maine.

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We believe you can use GRANITE in some of your work, and we will be pleased to provide budget estimates and detailing.

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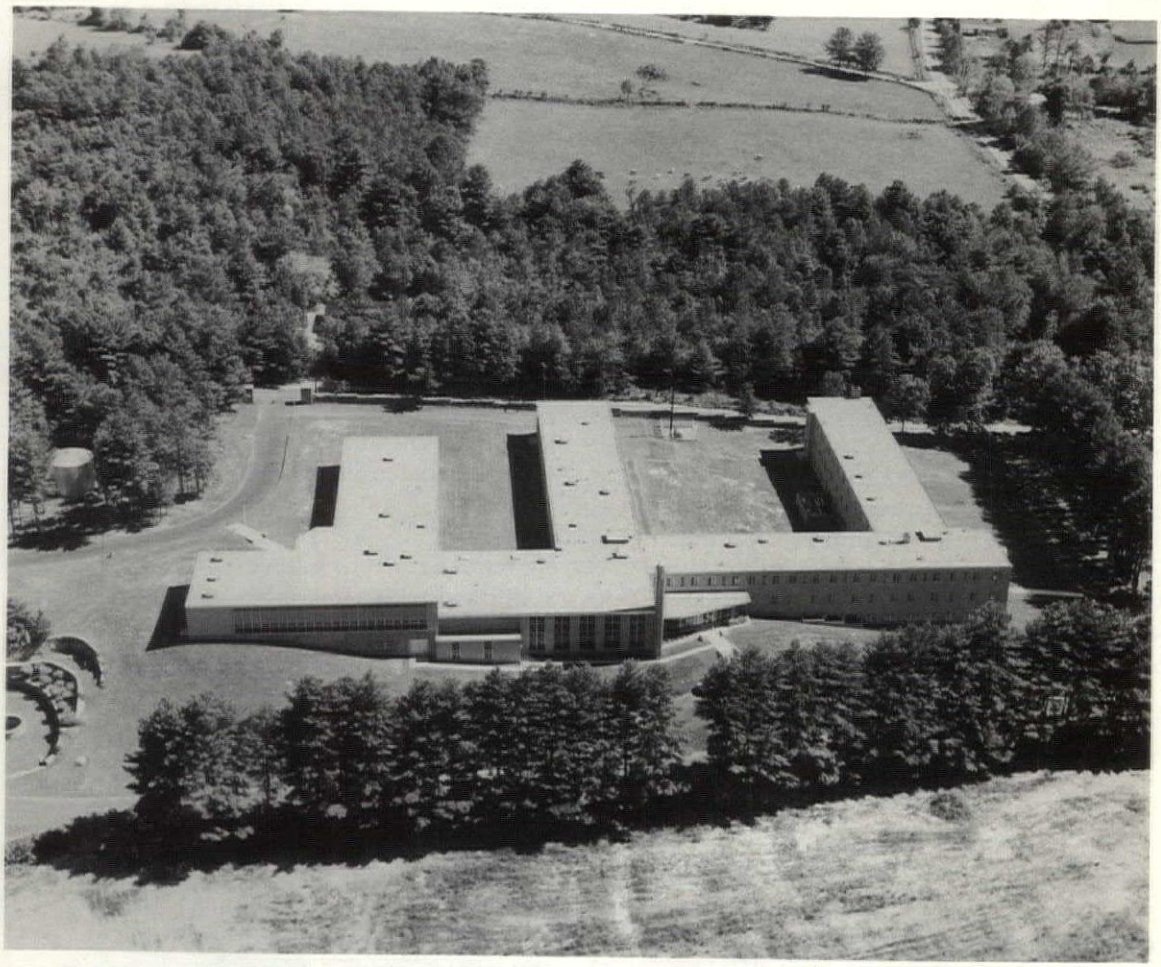
MOTHERHOUSE OF THE SISTERS OF MERCY

Windham, New Hampshire

LEO PROVOST, AIA, Manchester, N. H., Architect



The Sisters of Mercy have moved into their new Motherhouse in Windham, New Hampshire this Fall. This building has many functions. It is a motherhouse, a novitiate, a home for aged Sisters and an Infirmary for ill Sisters. The plan had to be so arranged that each of these functions were separate from each other and yet have a common Chapel and dining facilities wing. Traffic had to be so directed that Novices for instance could attend classes, be served meals or attend Chapel services without crossing into such areas as administration, infirmary or aged Sisters areas. The site was such that the floor of the classroom building wing is thirty feet above the floor of the basement of the three floor wing which itself is at ground level at that end of the building.

continued on page 24

The building is divided into four sections. At the top of the hill the one floor building is the classroom section which includes classrooms, laboratory, library, auditorium and all purpose room and other necessary rooms. It has direct access by corridor to the Chapel and dining areas and administration floor. The central wing running the entire length of the building has two main floors with second floor for aged Sisters who also have direct access to infirmary and Chapel balcony, Elevators on each end of this section facilitate travel for these Sisters. The first floor which is at ground level on one end includes the Chapel and administration. It includes the main lobby which has access to Chapel, parlors, chaplain's quarters, offices and conference rooms and other necessary rooms for administration. The Mother General and her assistant have their quarters on this floor plus room for a guest. This section has also a partial basement for use as special classes for Novices and storage areas as well as service rooms.

The central wing has two floors. The upper floor is the infirmary which is designed and equipped very much like a hospital with its similar facilities and a dining room served by dumbwaiter from the kitchen below. This floor has also direct access to the Chapel balcony. The ground floor is made up of dining rooms, one for the chaplain which can be enlarged by opening a folding door, a Sister's dining room and wash room, a Novices' dining room, wash room, kitchen, storage areas. This floor also has direct access to Novitiate wing by a separate corridor connecting the two wings. The end or three floor wing has on its top floor large wards with toilets and washing rooms. The second floor has individual rooms and toilet and wash rooms, the ground first or ground floor has the boiler room, garages, janitor's quarters, laundry, ironing room, cutting room, trunk storage rooms, storage rooms, etc.

The construction of this building is entirely Class A construction with reinforced concrete frame, floors, roof and foundation walls. Only the Classroom building is a different type of construction although still Class A construction. The main building has masonry walls, furred, lathed and plastered whereas the classroom building has most of its exterior walls of Thinlite curtain wall which is aluminum frame, glass blocks (solar type) and insulated porcelain enameled steel panels with projected windows glazed with insulated glass. All windows in main building are of aluminum horizontal sliding type and some projected types. Classroom wing has steel frame with exposed cinder concrete blocks painted on exterior walls and interior partitions. Floors are finished with vinyl asbestos tile and ceilings of fiberglas acoustic tile. Entire building has steel door frames and wood doors except exterior doors of metal. Interior partitions of main building are of steel studs, rock lath and plaster, painted. Floors are finished of vinyl asbestos tile and ceilings of fiberglas acoustic tile. All wash rooms, toilets and bath rooms, etc. have ceramic tile walls and terrazzo floors. All steel stairs have terrazzo treads as well as main floor of lobby, chapel and narthex which have terrazzo floors. Chapel walls are finished in prefinished plywood paneling with marble reredos and altars and altar rails. Here windows are glazed in colored glass. The main front entrance is faced with polished granite.

The mechanical features in this building include a fire alarm system, communication system, telephone system, program system and bell system, nurses call system, and ventilating system. All heating pipe systems are readily accessible through ceiling which is entirely removable. Besides roads and driveways the grounds include a large parking lot which can park several hundred cars.

MOTHERHOUSE OF THE SISTERS OF MERCY
Windham, New Hampshire

Credit List

Structural Engineer	Frank Whelan
Electrical Engineers	McCarron & Hufnagle Assoc. Inc.
Heating Engineer	Francis L. Gallagher Assoc.
Plumbing Engineer	Hubbard, Tracey & Blakely

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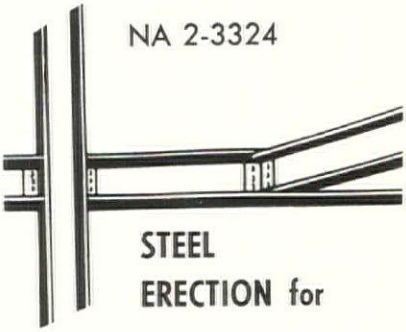

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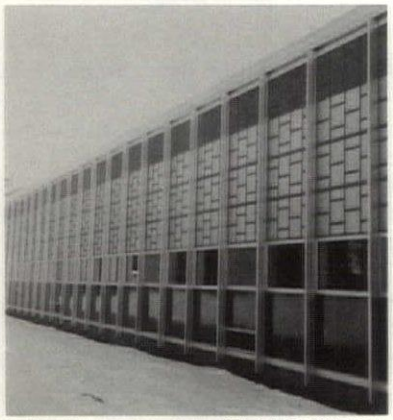

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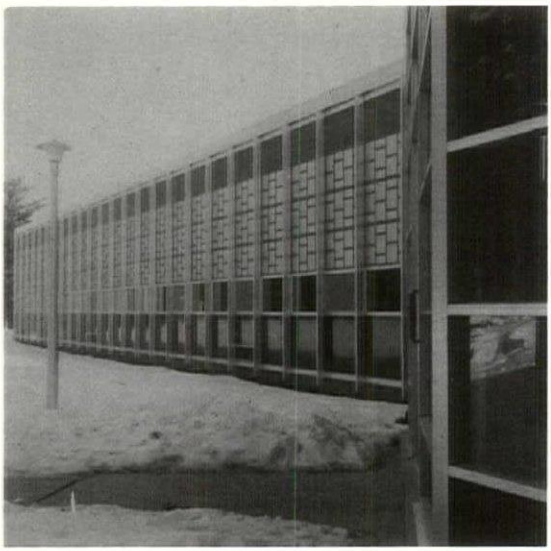

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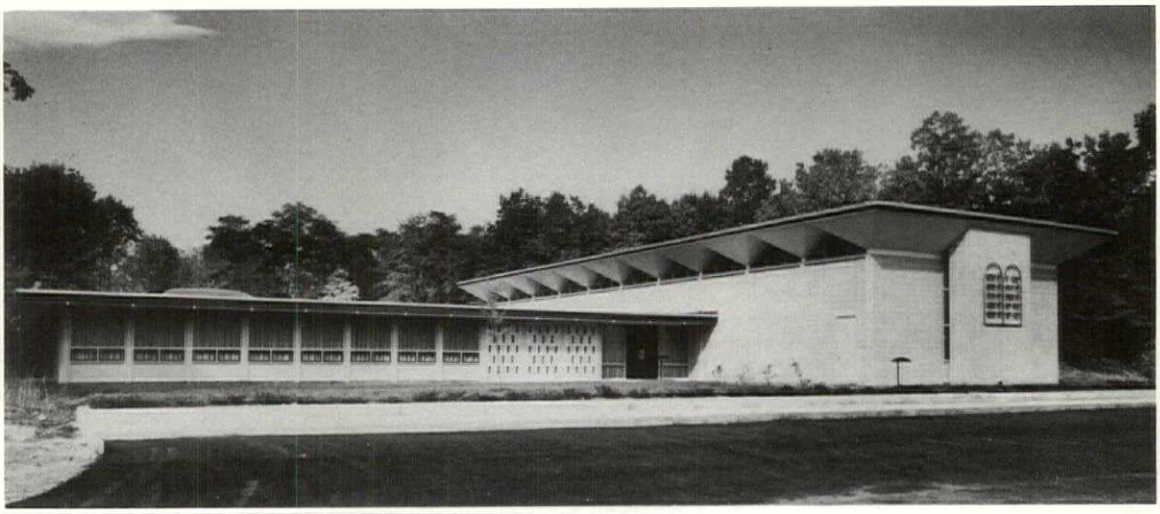
The panels from the Newmarket plant will have interior and exterior final finish applied at the factory. There will be a great saving in labor both on erection and the final finish work required after the building is erected. Houses of this type have been erected in one day by a crew of two men. The variety of finish will be determined only by the imagination of the buyer.

Initial production capacity will be one house per day.

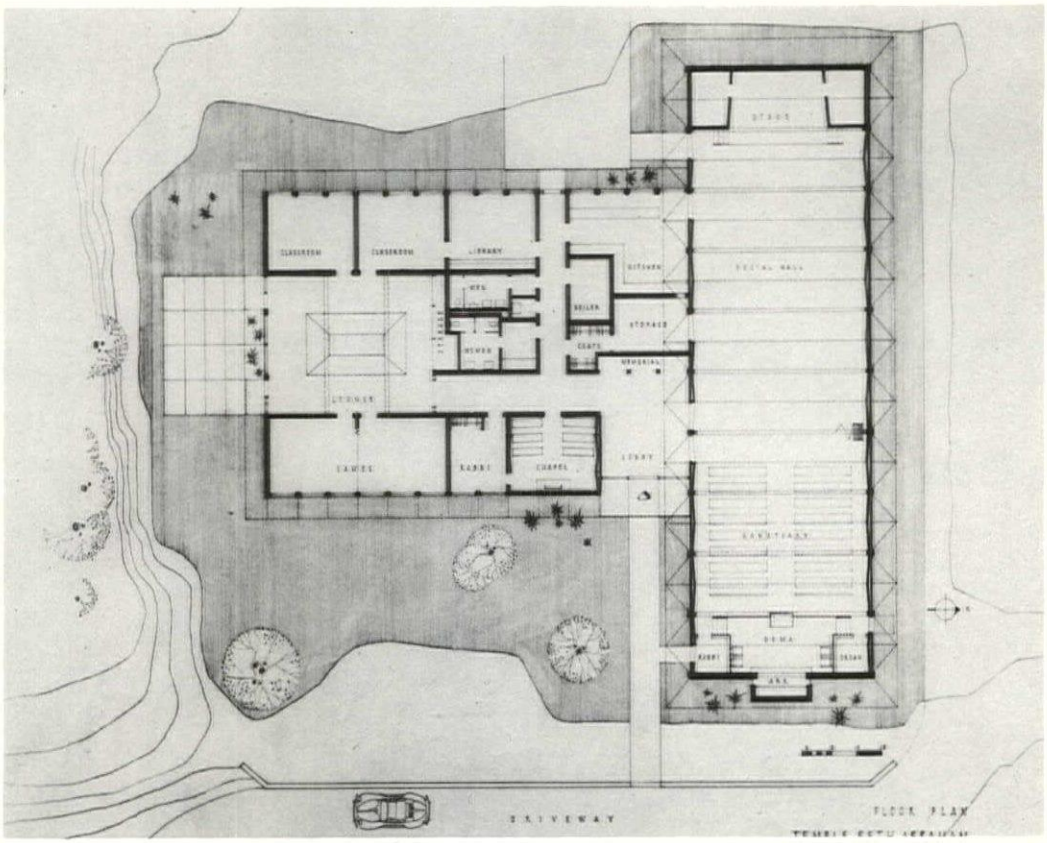
TEMPLE BETH ABRAHAM
Nashua, N. H.

CARTER and WOODRUFF AIA
ARCHITECTS
Nashua, New Hampshire

Entrance to Temple Beth Abraham with corner stone on the Temple and glass and concrete block Chapel on the left.



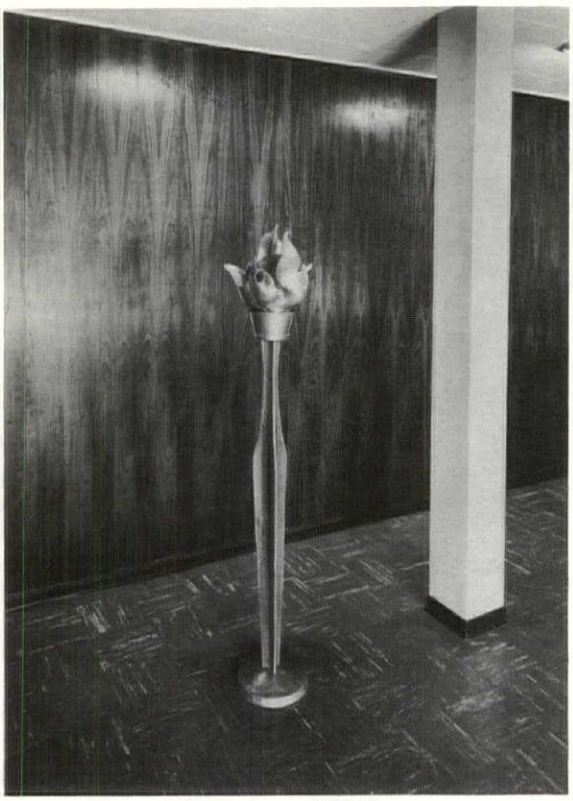
Classrooms and offices are seen to the left of the Chapel and the dome in the main Lounge shows above the roof. The Temple and Social Hall are to the right.



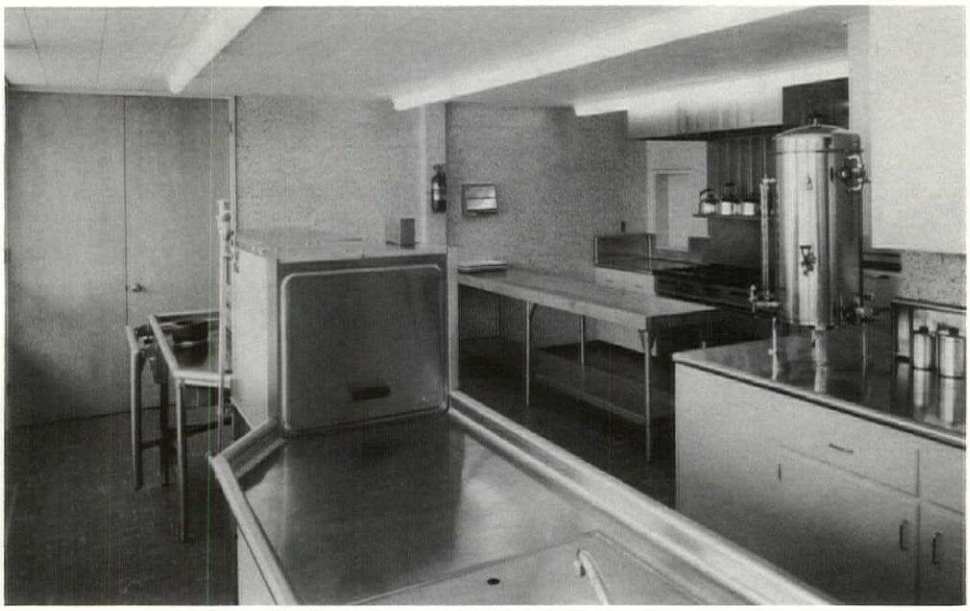
The plan shows a compact circulation centered on the Lobby and its Memorial Alcove with the Lounge and the classrooms on one side and the Sanctuary and Social Hall on the other. The cavity wall system of construction has been exploited by V-ing the interior half of the wall for best acoustical conditions. The area of the building has now been paved and the next project will be the landscaping of the terrace off the Lounge.

Bema showing the Ark curtains woven by Lilly Hoffman. The ones shown are for the High Holidays. The Eternal Light, the rams horns handles to the Ark, and the Menorah are done in hammered and welded aluminum by George Salo. The Ark Doors and paneling are done in matched walnut with an holly inlay to suggest the Tablets.

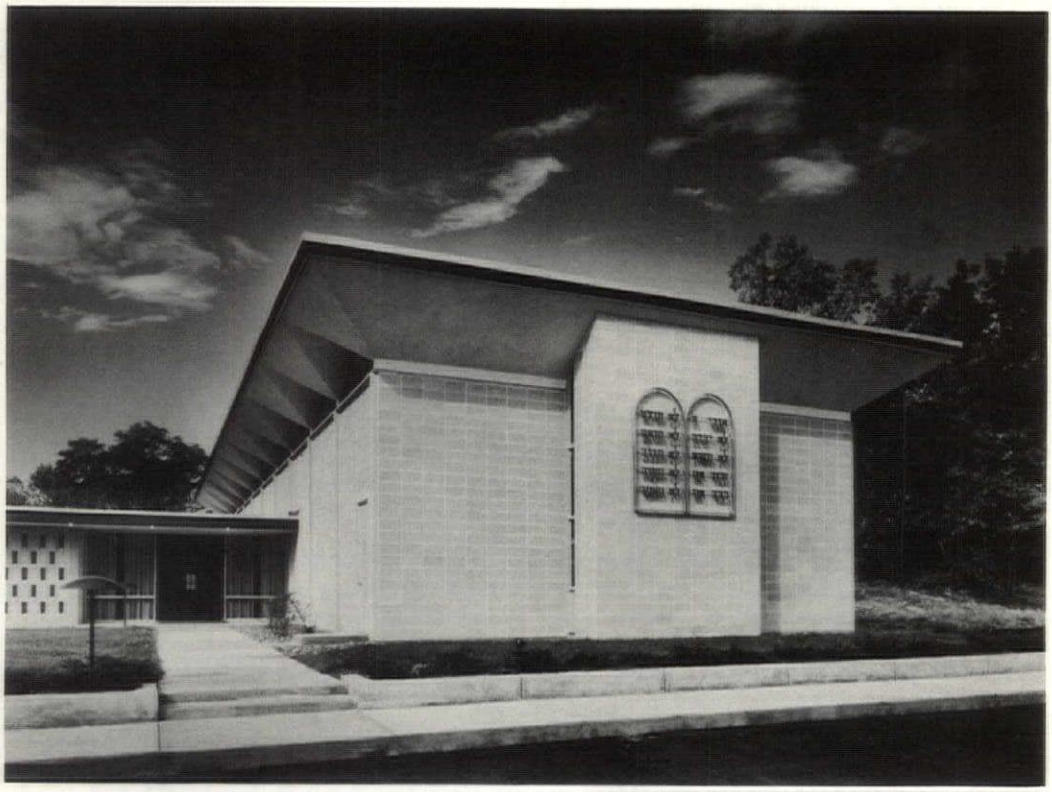
Social Hall



The Memorial Alcove in the Lobby. The Eternal Light was designed and executed by George Salo in welded and hammered aluminum.



The efficient, beautifully equipped, Kitchen is designed for catered meals and the equipment has been chosen for hard usage.



The front and entrance of the Temple Beth Abraham showing the Tablets in anodized aluminum by George Salo.

TEMPLE BETH ABRAHAM
Nashua, New Hampshire

Credit List

Structural Engineer	Thomas T. Amirian
Mechanical and Electrical Engineers	Barnaby, Roberge and McGrath
Acoustical Engineers	Bolt, Beranek and Newman, Inc.
Howard Gelber	Kitchen Consultant
Sculptural Metalwork	George Salo
Weaver	Lilly Hoffman
Stained Glass	Robert Sowers

Built-in furniture and paneling designed by the Architects.

Edward G. Rudman	Chairman of the Building Committee
Max I. Silber	President of the Temple and Building Committee Member
Leon Marshall	President of the Community and member of the Building Committee
Philip Porter	Member of the Building Committee
Rabbi Bela Fischer	

N

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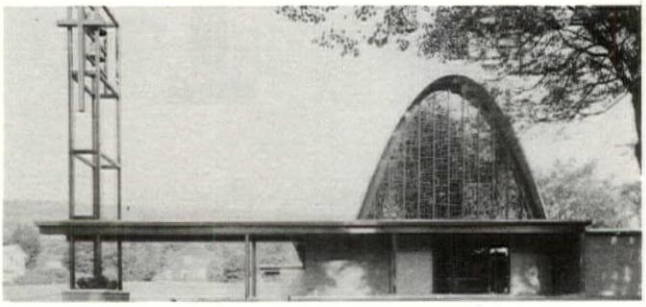

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